

1/6

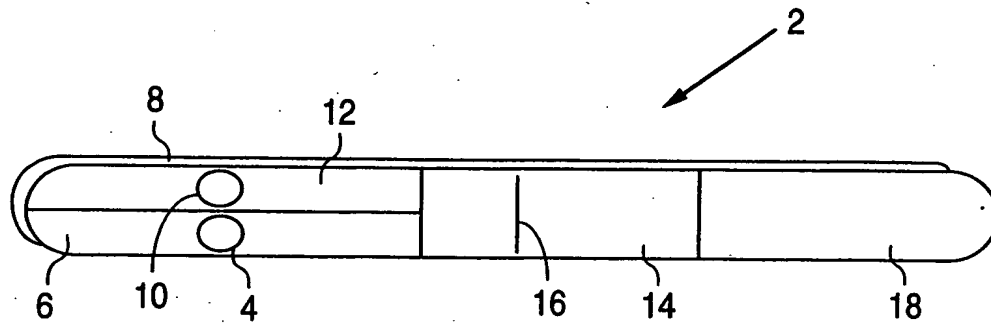


FIG. 1

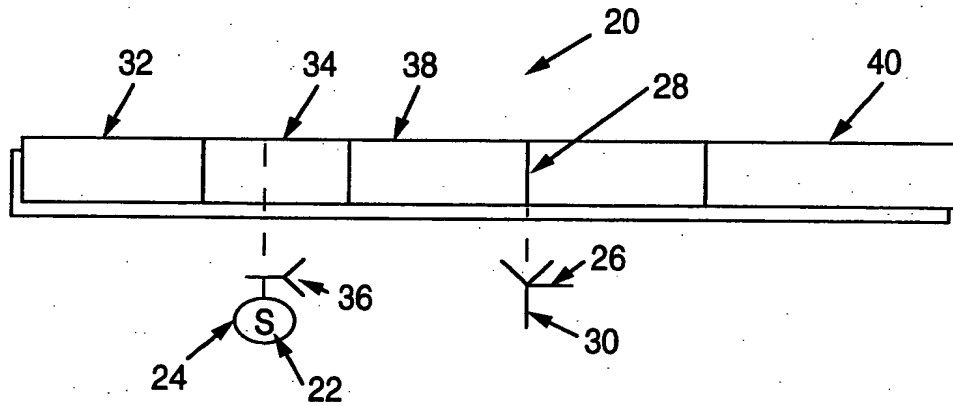


FIG. 2

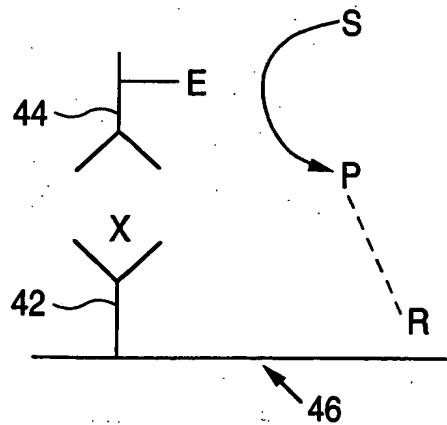


FIG. 3

2/6

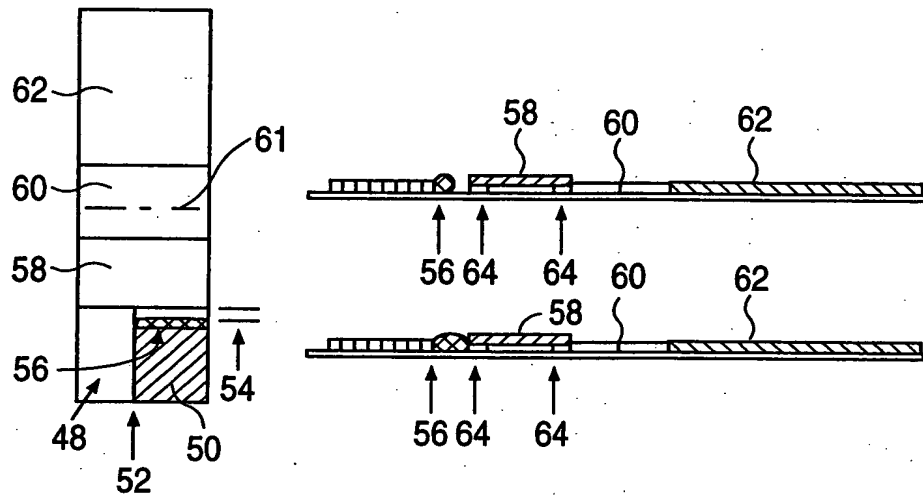


FIG. 4

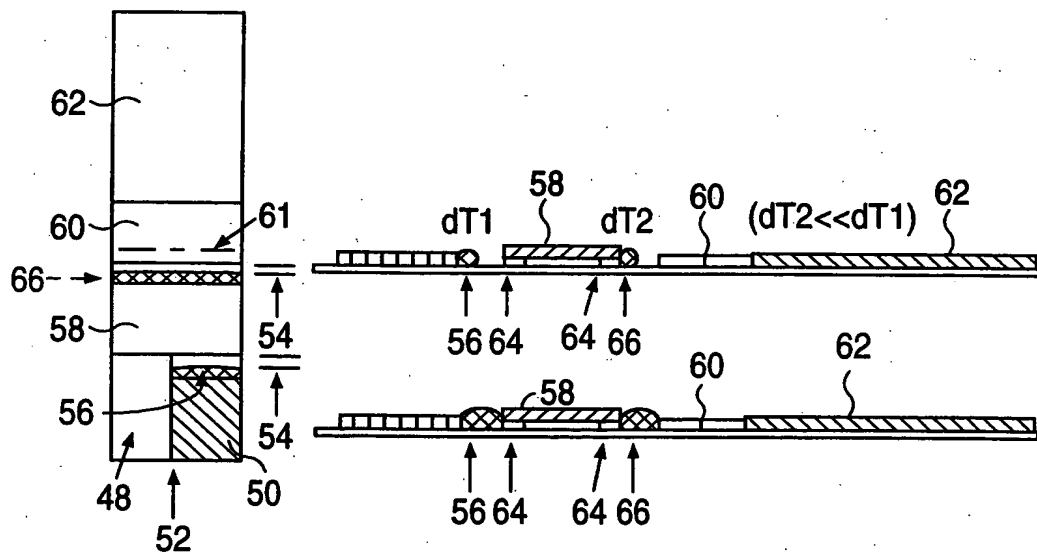


FIG. 5

3/6

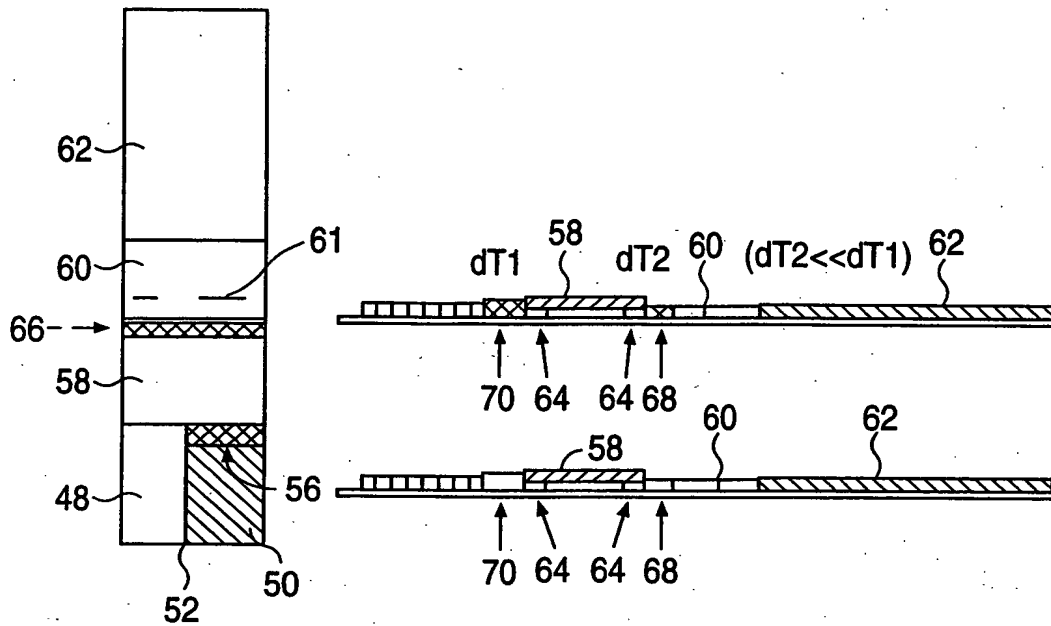


FIG. 6

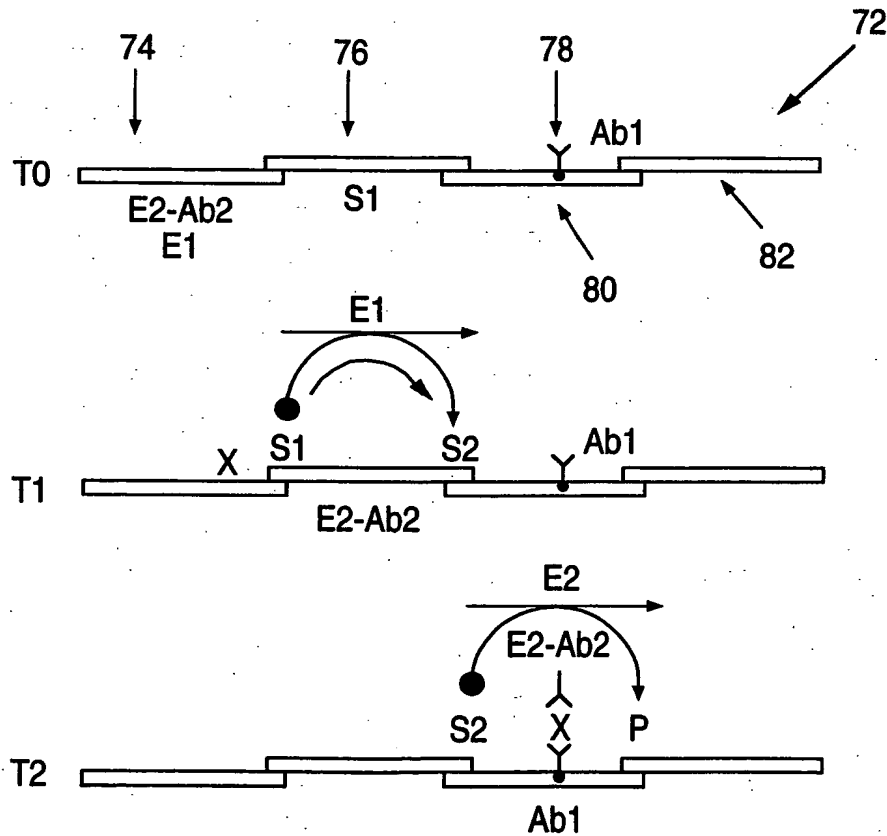
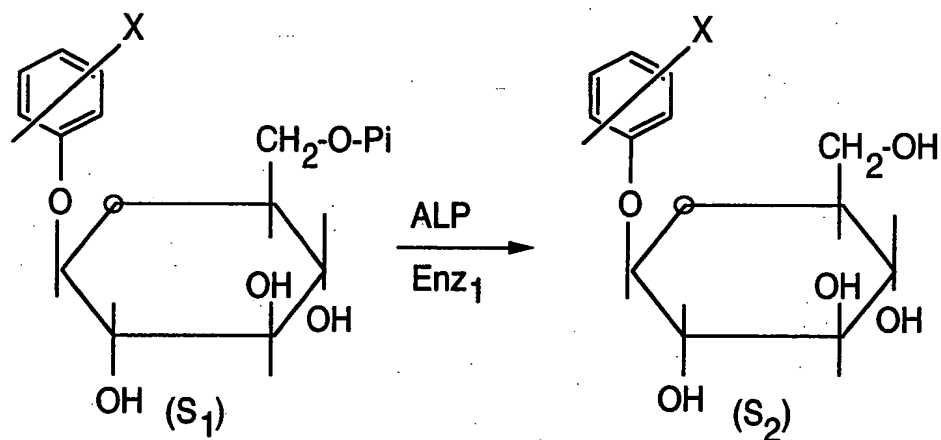
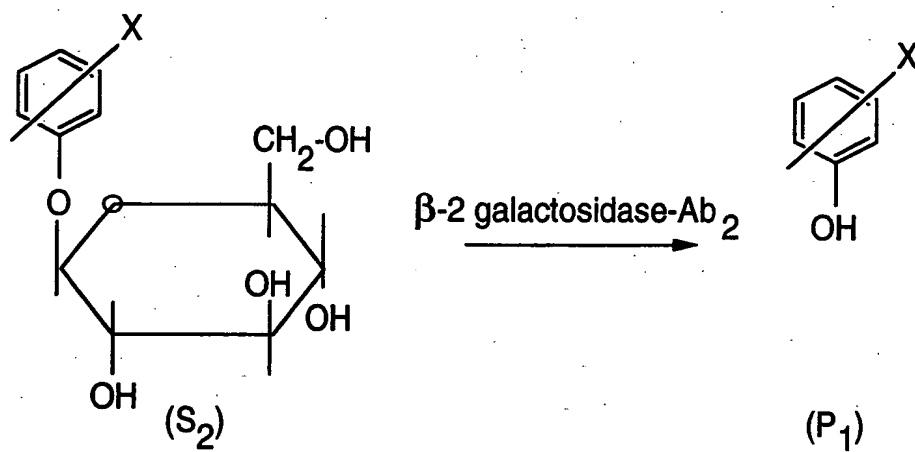


FIG. 7

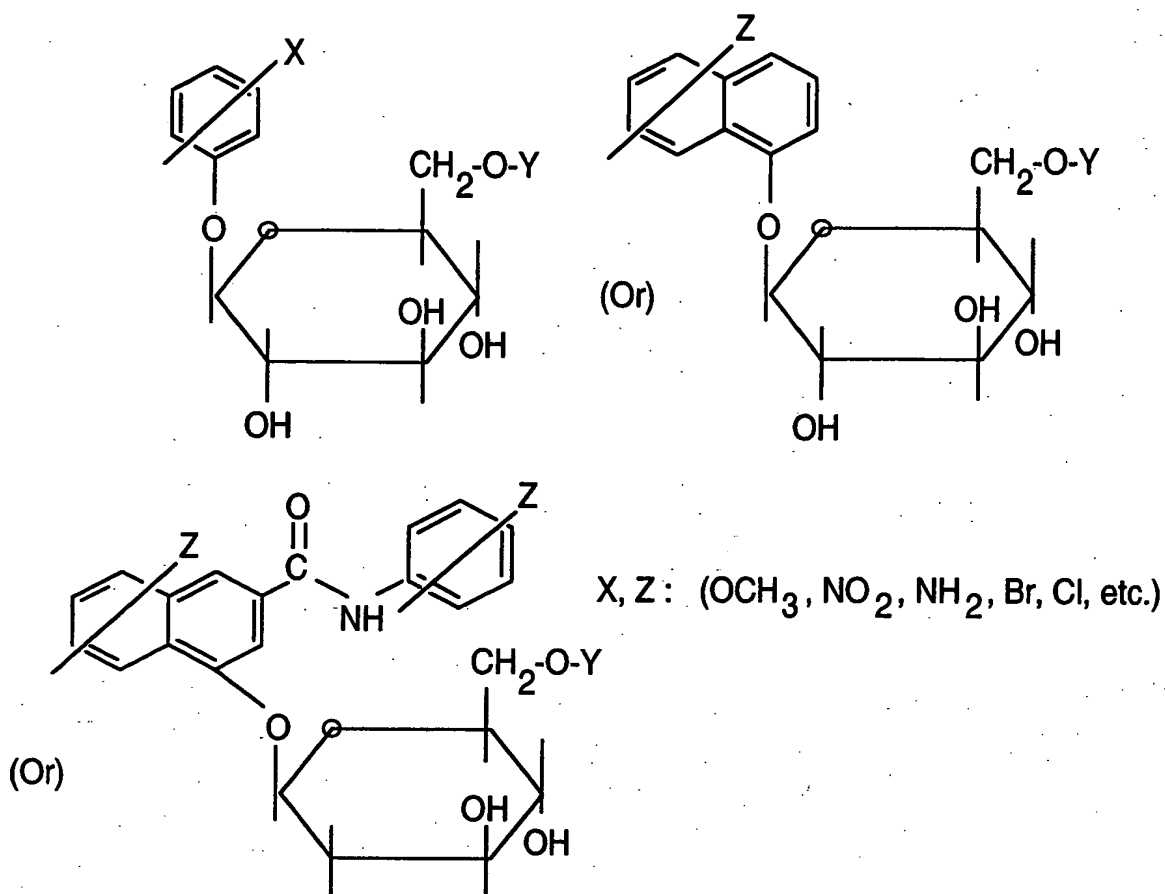


Where  $\text{X}=(\text{Br}, \text{Cl}, \text{OCH}_3, \text{NO}_2, \text{or NH}_2)$  in position ortho or para



**FIG. 8**

5/6



Y	Enz <sub>1</sub>
acetate, butyrate	esterase
aminoacid, peptide	protease
sulphate	sulfatase
Phenylacetate, phenylbutyrate, proionate	chymotrypsin-like proteases

FIG. 9

$S_1$	$Enz_1$	Product
$\begin{array}{c} R_1 \quad O \quad O \\   \quad    \quad    \\ \dots CH-C-NH-C-NH_2 \\ \text{peptide} \end{array}$	Proteolytic enzymes	urea + amino acids
$\begin{array}{c} H_2N \quad \diagdown \\ \quad \quad C = NH \text{ (creatine)} \\ H_3C-N \quad \diagup \\   \\ CH_2-COOH \end{array}$	creatine amid inohydrolase (EC 3.5.3.3)	urea + sarcosine
$\begin{array}{c} HN \quad \quad \quad NH_2 \\ \diagdown \quad \quad \diagup \\ C = NH-(CH_2)_3-CH \\ \diagup \quad \quad \diagdown \\ H_2N \quad \quad \quad COOH \\ \text{(arginine)} \end{array}$	arginase (EC 3.5.3.1)	urea + ornithine

FIG. 10

FIG. 11

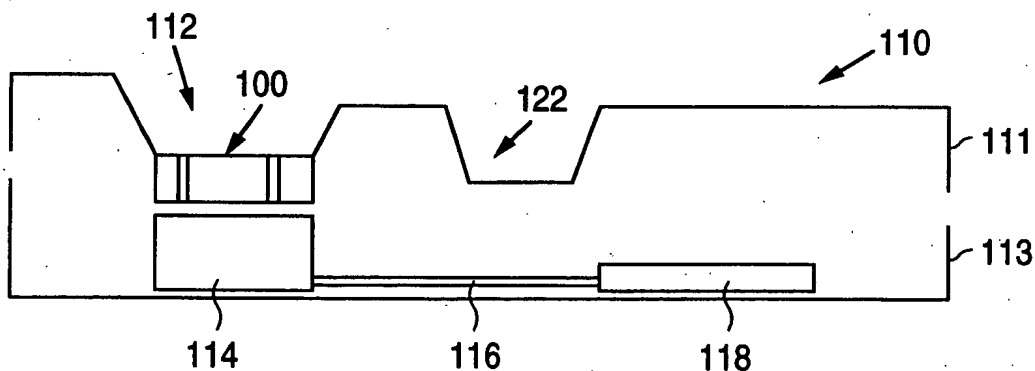
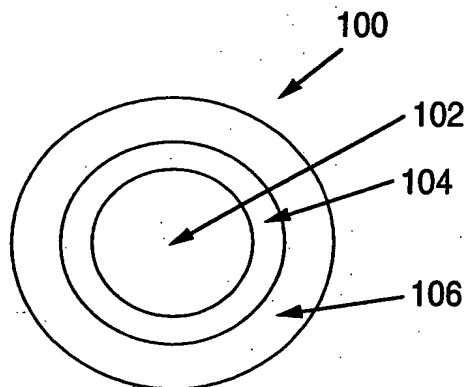


FIG. 12